GEO Engineering

150 Mineral Spring Drive
Dover, New Jersey 07801
201 361-3600 FAX 361-3800

April 12, 1995

Joseph J. Nowak
New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
401 East State Street
Trenton, NJ 08625

SUBJ: **Hexcel Corporation**
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

On behalf of Hexcel Corporation (Hexcel), the following is the progress report of activities carried out during January, February and March of 1995. This quarterly report is submitted in accordance with the Industrial Site Recovery Act (ISRA) requirements for the former Hexcel facility in Lodi, New Jersey.

Please note that we responded to the September 15, 1994 letter from the New Jersey Department of Environmental Protection (NJDEP) in our letters dated September 30, 1994 and October 24, 1994. We are still awaiting a response from the NJDEP to the proposals provided in those letters. In the interim, we have proceeded in accordance with those proposals.

The following topics are discussed in this progress report:

1. Ground Water/DNAPL/LNAPL Monitoring
2. DNAPL Recovery
3. LNAPL Recovery
4. Treatment of Basement Seepage Water
5. Sewer Connection
6. Investigation of Off-Site Wells
7. Soil Investigation
8. Waste Disposal Documentation
9. Schedule

1. Ground Water/DNAPL/LNAPL Monitoring

In this section, we report the results of our monitoring done in January, February and March 1995, and present modifications to the proposed monitoring plan.

On January 9, 1995, Hexcel conducted quarterly ground water elevation, DNAPL and LNAPL monitoring in accordance with the proposed monitoring plan. Monitoring results are provided in Table 1. Figures 1 and 2 illustrate shallow and deep ground water elevation contours, respectively. Contour Map Reporting forms are enclosed for each of the contour maps. Figures 1 and 2 and the reporting forms are located in Appendix A.

On February 17, 1995, and March 14, 1995, Hexcel conducted monthly DNAPL and LNAPL monitoring in accordance with the proposed monitoring plan. Results are provided in Table 2.

Criteria for modifying the DNAPL and LNAPL plans were presented in our October 24, 1994 letter. We have implemented the two plans in the absence of having received a response from the NJDEP. Accordingly, this quarter we have made two modifications to the proposed DNAPL and LNAPL monitoring plans:

- RW1-1: Shifted from quarterly to monthly LNAPL monitoring after trace LNAPL was detected during January 1995 quarterly monitoring.

- P-2: Shifted from monthly to quarterly LNAPL monitoring after three consecutive rounds of non-detected product (December 1994, January and February 1995).

2. DNAPL Recovery

A temporary DNAPL recovery program, consisting of manually recovering product from affected wells on a weekly basis, was initiated on October 20, 1994. After one month, the program's frequency was reduced to twice a month due to a reduction in the quantity of product recovered. Product recovery continued at the rate of at least twice a month through the first quarter of 1995. Results are summarized in Table 3.

As we stated in our last progress report, MW-6 is the only well at the facility consistently containing recoverable quantities of DNAPL. Quarterly and monthly DNAPL monitoring during the first quarter of 1995 indicated the potential for product recovery at wells RW7-1 and MW-26; however, at both wells only minute quantities of product could be recovered. Hexcel will continue to remove DNAPL from MW-6 and any other wells where recoverable quantities of DNAPL are present.

3. LNAPL Recovery

LNAPL recovery at CW-7 is continuing in accordance with our October 24, 1994 letter. The passive free product recovery device positioned in the well has collected approximately 0.4 gallons of LNAPL since October 20, 1994. The device is checked twice a month to adjust its depth to reflect fluctuations in ground water elevation and to drain recovered product. A summary of LNAPL product collection is included in Table 3.

4. Treatment of Basement Seepage Water

Basement seepage water continues to be treated on-site and is being disposed of off-site at the DuPont Chambers Works facility, Deepwater, New Jersey. Disposal documentation has been attached as Appendix B.

5. Sewer Connection

A stream-encroachment permit application has been submitted to the NJDEP and has been assigned NJDEP application number 0231-95-0001.1. The NJDEP's review period began March 16, 1995, and a 30-day response time is anticipated. We currently estimate that the permit will be received in late April, construction will begin in early May, and we will be ready to discharge to the sewer line in late May.

6. Investigation of Off-Site Wells

As reported in our October 24, 1994 letter, ground water sampling across the Saddle River may not be necessary if sampling data are available from existing monitoring wells across the river. In pursuit of such data, we have obtained the following file reviews for properties located across the Saddle River from the former Hexcel facility:

Agency	Completed
Bergen County Department of Health Services	1/17/95
Office of Site Assessment, NJDEP, Trenton	1/18/95
NJDEP, Metro Field Operations	2/22/95

None of the file reviews turned up any monitoring well information. Therefore, we will next approach the property owner best located for a sampling point. We will request of them copies of any data they may have obtained in the past from wells, if any, on their property. If they have no such data, we will request access to their property for the drilling of a Geoprobe boring.

7. Soil Investigations

At this stage we feel that a soil gas survey and soil remediation are premature and better scheduled and evaluated after full ground water remediation is underway. There is, however, a need to further investigate the soil stratigraphy at the site for better understanding of how best to achieve the soil remediation. Thus, a sequence of borings is being scheduled concurrently with the hydraulic testing for the ground water remedial system. This planned investigation is reflected in the schedule estimates indicated in Table 4.

8. Waste Disposal Documentation

Enclosed as Appendix B are manifests and a summary table for waste disposal during January, February and March 1995.

9. Schedule

Table 4 presents an updated estimate of the schedule of remaining remedial activities.

We will continue to provide quarterly progress reports in accordance with ISRA requirements. Please call if you have any questions or need additional information.

Sincerely,

GEO ENGINEERING, INC.

Marjorie A. Piette
Project Manager

MAP/avm
enclosures
cc A. William Nosil
Lisa Bromberg, Esq.
James Higdon

TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (1/9/95)
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April 1995
File: 94039/wlevels.xls

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing**	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
RW Series:											
RW1-1	shall.	6.59 *	ND	ND		14.26	28.38	21.79	flush	s.steel	Product droplets on probe
RW6-1	shall.						28.84		flush	s.steel	Well not accessible due to drum storage
RW6-2	shall.	4.63	ND	ND		14.78	29.34	24.71	flush	s.steel	Well resurveyed by GEO
RW6-3	shall.						28.72		flush	s.steel	Well resurveyed by GEO Well not included in quarterly monitoring plan
RW7-1	shall.	5.88	16.42	ND	0.21	16.63	26.25	20.37	flush	s.steel	Trace product on probe; resurveyed by Boswell
RW7-2	shall.	6.24	ND	ND		16.84	26.48	20.24	flush	s.steel	
RW7-3	shall.	6.50	ND	ND		17.30	26.78	20.28	flush	s.steel	
RW7-4	shall.	6.82	ND	ND		19.06	27.11	20.29	flush	s.steel	Trace product/sediment on probe
RW7-5	shall.	7.39	ND	ND		19.33	27.57	20.18	flush	s.steel	
RW7-6	shall.	6.74	ND	ND		15.00	26.48	19.74	flush	s.steel	
RW7-7	shall.	6.85	ND	ND		14.95	26.89	20.04	flush	s.steel	
RW7-8	shall.	5.76	ND	ND		14.99	25.90	20.14	flush	s.steel	
RW7-9	shall.	6.85	ND	ND		16.16	26.87	20.02	flush	s.steel	
RW7-10	shall.	7.35	ND	ND		14.16	26.10	18.75	flush	s.steel	Resurveyed by GEO
RW15-1	shall.	7.30	ND	ND		14.90	28.89	21.59	flush	s.steel	
RW15-2	shall.						30.13		flush	s.steel	Well not included in quarterly monitoring plan
P Series:											
P-1	shall.	6.10 *	ND	ND		9.07	30.06	23.96	flush	2" pvc	
P-2	shall.	7.90	ND	ND		12.30	30.06	22.16	flush	2" pvc	

882850005

TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (1/9/95)
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April 1995
File: 94039/wlevels.xls

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing**	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
CW Series:											
CW-1	shall.	6.98	ND	ND		7.46	29.77	22.79	flush	s.steel	
CW-2	shall.						29.51		flush	s.steel	Well not included in quarterly monitoring plan
CW-3	recov.						29.72		flush	s.steel	Well not included in quarterly monitoring plan
CW-4	shall.	6.04	ND	ND		10.98	29.00	22.96	flush	s.steel	
CW-5	recov.						28.67		flush	s.steel	Well not included in quarterly monitoring plan
CW-6	shall.						28.93		flush	s.steel	Well not included in quarterly monitoring plan
CW-7	shall.	7.13	ND	ND		14.00	26.13	19.00	flush	s.steel	Product on probe
CW-8	shall.	8.11	ND	ND		13.92	26.77	18.66	flush	s.steel	
CW-9	recov.						26.37		flush	s.steel	Well not included in quarterly monitoring plan
CW-10	shall.	6.74	ND	ND		10.24	25.91	19.17	flush	s.steel	
CW-11	recov.						25.74		vaultbox	s.steel	Well not included in quarterly monitoring plan
CW-12	shall.	6.96	ND	ND		13.98	25.71	18.75	flush	s.steel	Trace product on probe
CW-13	shall.						26.05		flush	s.steel	Well not included in quarterly monitoring plan
CW-14	shall.	7.54	ND	ND		13.90	26.37	18.83	flush	s.steel	
CW-15	recov.						26.31		flush	s.steel	Well not included in quarterly monitoring plan
CW-16	shall.	7.22	ND	ND		13.93	26.45	19.23	flush	s.steel	Product on probe
CW-17	shall.	6.71	ND	ND		13.96	26.25	19.54	flush	s.steel	
CW-18	shall.						26.61		flush	s.steel	Well not included in quarterly monitoring plan
CW-19	recov.						26.50		flush	s.steel	Well not included in quarterly monitoring plan
CW-20	shall.						26.74		flush	s.steel	Well not included in quarterly monitoring plan
CW-21	recov.						26.77		flush	s.steel	Well not included in quarterly monitoring plan
CW-22	shall.						26.35		flush	s.steel	Well not included in quarterly monitoring plan

882850006

TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (1/9/95)
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April 1995
File: 94039/wlevels.xls

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing**	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
MW Series:											
MW-1	deep	10.00	ND	ND		23.52	32.42	22.42	stickup	pvc	
MW-2	shall.	8.56	ND	ND		10.26	31.00	22.44	stickup	pvc	
MW-3	deep	10.34	ND	ND		30.74	31.13	20.79	stickup	pvc	
MW-4	shall.	7.85	ND	ND		9.88	32.33	24.48	stickup	pvc	Resurveyed by GEO
MW-5	deep	11.30	ND	ND		28.30	32.54	21.24	stickup	pvc	Resurveyed by GEO
MW-6	shall.	10.07	18.17	ND	0.14	18.31	30.74	20.67	stickup	pvc	Product on probe; resurveyed by GEO
MW-7	deep	9.69	ND	ND		32.90	30.68	20.99	stickup	pvc	
MW-8	shall.	11.46	ND	ND		17.35	30.26	18.80	stickup	pvc	Trace product on probe
MW-9	deep	8.84	ND	ND		29.56	29.83	20.99	stickup	pvc	
MW-10	shall.	12.31	ND	ND		16.76	30.83	18.52	stickup	pvc	
MW-11	deep	10.04	ND	ND		33.68	30.78	20.74	stickup	pvc	
MW-12	shall.	10.45	ND	ND		16.96	31.01	20.56	stickup	pvc	
MW-13	deep	9.75	ND	ND		33.08	31.16	21.41	stickup	pvc	
MW-14	shall.	11.13	ND	ND		15.61	30.70	19.57	stickup	pvc	
MW-15	deep	8.90	ND	ND		25.60	30.77	21.87	stickup	pvc	
MW-16	shall.	7.21	ND	ND		12.58	29.69	22.48	stickup	pvc	
MW-17	shall.	9.20	ND	ND		14.09	31.53	22.33	flush	pvc	
MW-18	shall.	9.52	ND	ND		11.32	32.23	22.71	stickup	pvc	
MW-19	deep	7.14	ND	ND		26.59	29.08	21.94	stickup	pvc	
MW-20	shall.	4.95	ND	ND		20.06	27.95	23.00	flush	pvc	

882850007

TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS (1/9/95)
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April 1995
File: 94039/wlevels.xls

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing**	Water Elevation	Well Construction (all 4" diameter unless otherwise noted)		
			DNAPL	LNAPL					Type	Casing	Comments
MW Series:											
MW-21	shall.	8.69	ND	ND		15.12	30.67	21.98	stickup	pvc	
MW-22	shall.	5.88	ND	ND		8.22	28.45	22.57	flush	pvc	Resurveyed by Boswell
MW-23	shall.	5.00	ND	ND		9.66	27.51	22.51	flush	pvc	Resurveyed by Boswell
MW-24	shall.	4.28	ND	ND		9.47	26.51	22.23	flush	pvc	Resurveyed by Boswell
MW-25	shall.	7.23	ND	ND		12.73	26.03	18.80	flush	pvc	
MW-26	deep	7.41	ND	ND		17.91	28.85	21.44	flush	2" pvc	Trace product on probe; resurveyed by Boswell
MW-27	shall.	6.98	ND	ND		12.50	31.43	24.45	stickup	pvc	
MW-28	shall.	10.25	ND	ND		14.82	29.68	19.43	stickup	pvc	
MW-29	shall.	4.74	ND	ND		9.85	27.32	22.58	flush	pvc	Resurveyed by GEO
MW-30	shall.	5.84	ND	ND		10.48	28.08	22.24	flush	pvc	Resurveyed by GEO
MW-31	shall.	5.56	ND	ND		10.56	27.95	22.39	flush	pvc	
MW-32	shall.	9.97	ND	ND		11.26	32.51	22.54	stickup	pvc	Resurveyed by GEO
MW-33	shall.	9.82	ND	ND		16.99	31.72	21.90	stickup	pvc	

NOTES: ND - Not detected.

* - Depth to water measurement believed to be incorrect and therefore not included in ground water elevation contour calculations.

** - Well casing elevations changed at MW-22, MW-23, MW-24, MW-26 and RW7-1. The casing elevations were changed due to renovations of the well's surface protection. A licensed surveyor from Boswell Engineering has resurveyed the wells and the new casing elevations are indicated. Several additional wells were surveyed by GEO Engineering and there were differences from the previous top of casing elevations. The new casing elevations have been indicated and GEO will evaluate the need for a licensed surveyor to survey the wells during well renovations planned for this summer.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

TABLE 2: SUMMARY OF MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April 1995
File: 94039/wlevels.xls

-All measurements in feet -
-All elevations in feet (NGVD)-

Well ID	Type	Depth to Water	Depth to Product		Product Thickness	Depth to Bottom	Elevation Top of Casing	Water Elevation	Comments
			DNAPL	LNAPL					
Monthly (2/17/95)									
RW7-4	shallow	7.17				19.06	27.11	19.94	Trace product on probe
CW-7	shallow	7.26 *		7.26	0.04	13.98	26.13	18.87	Measured DTW is 7.30; product on probe
CW-16	shallow	7.38				13.92	26.45	19.07	
MW-6	shallow	10.13	18.19		0.11	18.30	30.70	20.57	Trace product on probe
MW-8	shallow	11.53				17.36	30.26	18.73	Trace product on probe
MW-26	deep	7.43	17.68		0.23	17.91	28.88	21.45	~ 1" DNAPL in clear bailer
RW6-1	shallow						28.84		No measurement; well inaccessible
RW7-1	shallow	5.94	16.54		0.12	16.66	26.49	20.55	Trace product on probe; ~ 1" DNAPL in clear bailer
CW-17	shallow	6.79				13.96	26.25	19.46	
CW-12	shallow						25.71		No measurement; well inaccessible
P-2	shallow	8.07				12.28	30.06	21.99	
RW1-1	shallow	5.59				14.26	28.38	22.79	
Monthly (3/14/95)									
RW7-4	shallow	6.91				19.11	27.11	20.20	Product on probe
CW-7	shallow	7.11 *		7.11	0.02	14.00	26.13	19.02	Measured DTW is 7.13; product on probe
CW-16	shallow	7.36				13.94	26.45	19.09	Trace product on probe
MW-6	shallow	10.01	18.25		0.05	18.30	30.70	20.69	Trace product on probe
MW-8	shallow	11.48				17.37	30.26	18.78	Trace product on probe
MW-26	deep	7.43				17.93	28.88	21.45	Trace product on probe
RW6-1	shallow						28.84		No measurement; well inaccessible
RW7-1	shallow	5.74	16.50		0.14	16.64	26.49	20.75	Trace product on probe
CW-17	shallow	6.74				13.97	26.25	19.51	
CW-12	shallow	6.86				14.00	25.71	18.85	Product on probe
RW1-1	shallow	8.86				14.34	28.38	19.52	Product on probe

NOTES: – Not detected.

* - In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) - (Product thickness * specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

TABLE 3: SUMMARY OF PRODUCT COLLECTION
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April 1995
File: 94039\tables\prodcol2.xls

All Quantities Expressed in Gallons

DATE	MW-6 (DNAPL)	MW-8 (DNAPL)	MW-26 (DNAPL)	RW7-1 (DNAPL)	RW7-4 (DNAPL)	CW-12 (DNAPL)	CW-16 (DNAPL)	CW-7 (LNAPL)	TOTAL VOLUME RECOVERED
1/6/95	0.25							0.02	
1/16/95	0.25			0.02				0.02	
1/30/95	0.38							0.02	
2/17/95	0.23		0.03	0.02				0.05	
2/27/95	0.06		trace					0.02	
3/14/95	0.25			trace				0.02	
3/20/95 *	0.13								
3/28/95	0.06							0.02	
TOTAL VOLUME RECOVERED, 1st QUARTER, 1995	1.61	0.00	0.03	0.04	0.00	0.00	0.00	0.17	1.85
TOTAL VOLUME RECOVERED, 10/94 - 12/94	2.97	1.01	0.15	0.00	0.03	0.76	0.26	0.27	5.45
TOTAL VOLUME RECOVERED	4.58	1.01	0.18	0.04	0.03	0.76	0.26	0.44	7.30

Trace quantities not included in totals

Notes: * Product recovery on 3/20/95 was performed above and beyond the frequency specified in the proposed recovery plan and was only performed at MW-6.

Blank cell indicates well not included in recovery round because monitoring did not indicate the presence of recoverable product.

TABLE 4. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April, 1995
file: 94039\sched2.xls

1995

TASK DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits for sewer construction												
--Stream-encroachment permit												
--Local permits												
Construct new sewer line												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data												
Modify ground water recovery system												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEPE review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis)												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling												
Prepare final report												
NJDEPE review and site inspection												
Case closure												

TABLE 4. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April, 1995
file: 94039\sched2.xls

1996

TASK DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits for sewer construction												
--Stream-encroachment permit												
--Local permits												
Construct new sewer line												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data												
Modify ground water recovery system												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEPE review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis)												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling												
Prepare final report												
NJDEPE review and site inspection												
Case closure												

TABLE 4. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April, 1995
file: 94039\sched2.xls

1997

TASK DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits for sewer construction												
--Stream-encroachment permit												
--Local permits												
Construct new sewer line												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data												
Modify ground water recovery system												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEPE review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis)												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling												
Prepare final report												
NJDEPE review and site inspection												
Case closure												

882850013

TABLE 4. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April, 1995
file: 94039\sched2.xls

1998

TASK DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits for sewer construction												
--Stream-encroachment permit												
--Local permits												
Construct new sewer line												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data												
Modify ground water recovery system												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEPE review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis)												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling												
Prepare final report												
NJDEPE review and site inspection												
Case closure												

TABLE 4. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES
Former Hexcel Facility
Lodi, New Jersey

GEO Engineering, Inc.
April, 1995
file: 94039\sched2.xls

1999

TASK DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
GROUND WATER REMEDIATION												
DNAPL/LNAPL recovery (temporary)												
Recover water from basement Bldg. 1												
Obtain permits for sewer construction												
--Stream-encroachment permit												
--Local permits												
Construct new sewer line												
Conduct testing												
--Conduct hydraulic testing												
--Pilot test of recovery system												
--Test ground water off-site												
--Obtain off-site access or data												
Modify ground water recovery system												
Install permanent recovery system												
Operate and maintain recovery system												
Evaluate need for DNAPL barrier												
Bedrock ground water invest. (MW-1)												
CLEANING OF SEWER LINE												
Cleanout/abandonment of sewer line												
Collect samples (and lab. analysis)												
Disposal of sludge/debris												
SOIL REMEDIATION												
Soil investigation												
Prepare soil investigation rpt./work plan												
NJDEPE review of work plan												
Conduct pilot test (incl. lab. analysis)												
Design air sparging/vapor ext. system												
Obtain permits												
Install soil remediation system												
Operate and maintain system												
SEDIMENT SAMPLING												
Collect samples (and lab. analysis)												
REPORTING												
Prepare quarterly progress reports												
Prepare report of sediment sampling												
Prepare final report												
NJDEPE review and site inspection												
Case closure												

882850015

Appendix A

Contour Map Reporting Form

Site Name: Former Hexcel Facility, Lodi, NJ
Project No.: 94039

Figure No. (with contours): 1
File: \tables\wldata\contours.doc

1. Did any surveyed well casing elevations change from the previous sampling event? ☒Yes ☐No
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.)

   Well casing elevations changed at MW-22, MW-23, MW-24, and RW7-1. The casing elevations changed due to renovations of the well's surface protection.

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? ☐Yes ☐No
   If yes, identify these wells.

   Top of screen elevations are not known for some wells since the wells were installed prior to our involvement with the project. We are currently researching the elevations.

3. Are there any monitor wells present at the site but omitted from the contour map? ☒Yes
   Unless the omission of the well(s) has been previously approved by the Department, justify the omissions. ☐No

   See October 24, 1994 progress report for justification of wells chosen for contouring.

4. Are there any monitor wells containing separate phase product during this measuring event? ☒Yes ☐No

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☒Yes
   If yes show the formula used to correct the water table elevation. ☐No

   *DTW (corrected) = DTW (measured) - (Product thickness * specific gravity).*
   Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐Yes
   If yes, discuss the reasons for the change. ☒No

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☒Yes

Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence. ☐No

It is not known why mounding occurs in the vicinity of building 2.

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☒Yes
   If no, justify inclusion of those wells. ☐No

8. Were the ground water contours
   ☐ computer generated, ☒ computer aided, or ☐ hand-drawn?
   If computer aided or generated, identify the interpolation method(s) used.

   Minimum curvature method.

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION-FORM B - LOCATION CERTIFICATION

Name of Permitee: HEXCEL
Name of Facility: FINE ORGANICS
Location: 240 MAIN ST.
LODI, NJ 07644

NJDEP'S Number: _____

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): --
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West --
Latitude (one-tenth of a second): North --
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 28.45
Owners Well Number (As shown on the application of plans): MW-22

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

John C. Richardson, Jr., P.L.S.
PROFESSIONAL LAND SURVEYOR'S NAME
BOSWELL ENGINEERING
SOUTH HACKENSACK, NEW JERSEY 07606

SEAL

20789
PROFESSIONAL LAND SURVEYOR'S LICENSE NO.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J./.A.C. 7:9-6.1 et. seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

882850019

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION-FORM B - LOCATION CERTIFICATION

Name of Permitee: HEXCEL
Name of Facility: FINE ORGANICS
Location: 240 MAIN ST.
LODI, NJ 07644

NJDEP'S Number: _____

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): --
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West --
Latitude (one-tenth of a second): North --
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 27.51
Owners Well Number (As shown on the application of plans): MW-23

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

John C. Richardson, Jr., P.L.S.
PROFESSIONAL LAND SURVEYOR'S NAME
BOSWELL ENGINEERING
SOUTH HACKENSACK, NEW JERSEY 07606

SEAL

20789
PROFESSIONAL LAND SURVEYOR'S LICENSE NO.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J./.A.C. 7:9-6.1 et. seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

882850020

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION-FORM B - LOCATION CERTIFICATION

Name of Permitee: HEXCEL
Name of Facility: FINE ORGANICS
Location: 240 MAIN ST.
LODI, NJ 07644

NJDEP'S Number: _____

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): -- -
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West --
Latitude (one-tenth of a second): North --
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 26.51
Owners Well Number (As shown on the application of plans): MW-24

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

John C. Richardson, Jr., P.L.S.
PROFESSIONAL LAND SURVEYOR'S NAME
BOSWELL ENGINEERING
SOUTH HACKENSACK, NEW JERSEY 07606

SEAL

20789
PROFESSIONAL LAND SURVEYOR'S LICENSE NO.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J./.A.C. 7:9-6.1 et. seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

882850021

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION-FORM B - LOCATION CERTIFICATION

Name of Permitee: HEXCEL
Name of Facility: FINE ORGANICS
Location: 240 MAIN ST.
LODI, NJ 07644

NJDEP'S Number: _____

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): —
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West —
Latitude (one-tenth of a second): North —
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 26.25
Owners Well Number (As shown on the application of plans): RW 7-1

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

John C. Richardson, Jr., P.L.S.
PROFESSIONAL LAND SURVEYOR'S NAME
BOSWELL ENGINEERING
SOUTH HACKENSACK, NEW JERSEY 07606

SEAL

20789
PROFESSIONAL LAND SURVEYOR'S LICENSE NO.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J./.A.C. 7:9-6.1 et. seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

882850022

Contour Map Reporting Form

Site Name: Former Hexcel Facility, Lodi, NJ
Project No.: 94039

Figure No. (with contours): 2
File: \tables\wldata\contourd.doc

1. Did any surveyed well casing elevations change from the previous sampling event? ☒Yes ☐No
   If yes, attach new "Well Certification -Form B" and identify the reason for the elevation change (damage to casing, installation of recovery system in monitoring well, etc.)

   Well casing elevation changed at MW-26. The casing elevation changed due to renovations of the well's surface protection.

2. Are there any monitor wells in unconfined aquifers in which the water table elevation is higher than the top of the well screen? ☐Yes ☐No
   If yes, identify these wells.

   Not applicable because confined aquifer.

3. Are there any monitor wells present at the site but omitted from the contour map? ☐Yes
   Unless the omission of the well(s) has been previously approved by the Department, justify the omissions. ☒No

4. Are there any monitor wells containing separate phase product during this measuring event? ☐Yes ☒No

   Were any of the monitor wells with separate phase product included in the ground water contour map? ☐Yes
   If yes show the formula used to correct the water table elevation. ☐No

5. Has the ground water flow direction changed more than 45 degrees from the previous ground water contour map? ☐Yes
   If yes, discuss the reasons for the change. ☒No

6. Has ground water mounding and/or depressions been identified in the ground water contour map? ☐Yes
   Unless the ground water mounds and/or depressions are caused by the ground water remediation system, discuss the reasons for this occurrence. ☒No

7. Are all the wells used in the contour map screened in the same water-bearing zone? ☒Yes

If no, justify inclusion of those wells. ☐No

8. Were the ground water contours
☐ computer generated, ☒ computer aided, or ☐ hand-drawn?
If computer aided or generated, identify the interpolation method(s) used.

Kriging method.

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION-FORM B - LOCATION CERTIFICATION

Name of Permitee: HEXCEL
Name of Facility: FINE ORGANICS
Location: 240 MAIN ST.
LODI, NJ 07644
NJDEP'S Number:

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): —
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West —
Latitude (one-tenth of a second): North —
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 28.85
Owners Well Number (As shown on the application of plans): MW-26

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

John C. Richardson, Jr., P.L.S.
PROFESSIONAL LAND SURVEYOR'S NAME
BOSWELL ENGINEERING
SOUTH HACKENSACK, NEW JERSEY 07606

SEAL

20789
PROFESSIONAL LAND SURVEYOR'S LICENSE NO.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J./.A.C. 7:9-6.1 et. seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

882850025

Appendix B

Appendix B

The following table summarizes all disposal documentation for treated ground water for January, February and March 1995. Copies of the manifests are included.

Date Accepted at Disposal Facility	State Manifest Document Number	Quantity of Treated Ground Water (Gallons)	Comments
1/3/95	NJA 1982943	3,500	
1/4/95	NJA 2034111	3,500	
1/27/95	NJA 2034150	3,500	Replacement for manifest NJA 1982945
3/22/95	NJA 2074690	3,950	

Note that manifests are arranged in order of increasing State Manifest Document Numbers.

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N J D 9 8 6 5 8 4 1 3 4 — Manifest Document No.: 0 0 0 0 1
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEXCELL CORPORATION
205 MAIN ST.
LODI, NJ 07644

A. State Manifest Document Number: NJA 1982943

B. State Generator's ID: SAME

4. Generator's Phone (201) 472-6800

5. Transporter 1 Company Name: AMERICAN INDUSTRIAL MARINE SERV
6. US EPA ID Number: N J D 9 8 1 5 7 3 6 6 4

C. State Trans. ID: NJDEP 10340

D. Transporter's Phone: 908 756-4200

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Trans. ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: DUPONT CHAMBERS WORKS
ROUTE 130
DEEPWATER,NJ 08023
10. US EPA ID Number: N J D 0 0 2 3 8 5 7 3 0

G. State Facility's ID

H. Facility's Phone: 609 299 5000

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	RQ Hazardous waste, liquid, n.o.s.; 9; NA3082, PG III; (F002 F001 F005)	001	TT	X3500	G	F002
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a. F001, F005 PCB'S < 3ppb
Water > 99.9%
b. Volatile Organics < 1%

K. Handling Codes for Wastes Listed Above
a. T01
b.

15. Special Handling Instructions and Additional Information
24HR EMERGENCY TELE# (908)756-4200 ERG# 31
CONTRACT#OW0 4068 RELEASE# 1 DECAL# 62292

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month Day Year
Stephen J. Abrusia	[signature]	1 1 1 8 9 4

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Thomas P. King	[signature]	1 1 1 9 9 4

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
ITEM 16 + ITEM 17 GREATER THAN 10 DAYS OF DATE RECEIVED BY TSD. ITEM C SHOULD BE DEPE NO. 10340 + DECAL NO. 62292 IN THAT ORDER. ITEM H SHOULD BE 609-540-[illegible]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
DANIEL G. Chomo	[signature]	[illegible]

NJA 1982943

882850028

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

4608
2 (1)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD986584134 Manifest Document No. 00001
2. Page 1 of
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address HEXCELL CORPORATION
205 MAIN STREET
LODI, NEW JERSEY 07644
4. Generator's Phone (201) 472-6800

A. State Manifest Document Number NJA 2034111
B. State Generator's ID SAME

5. Transporter 1 Company Name AMERICAN INDUSTRIAL MARINE SVC
6. US EPA ID Number NJD981873664
C. State Trans. ID NJ 10340
D. Transporter's Phone 908 756-4200

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
DUPONT CHAMBERS WORK
ROUTE 130
DEEPWATER, N.J 08023
10. US EPA ID Number NJD002385730
G. State Facility's ID
H. Facility's Phone 609-299-5000

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ HAZARDOUS WASTE LIQUID, N.O.S NA 3082, PG III (F002, F001, F008 3)	001	TT	X3500	G	F002
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
F001, F003 U0X210
WARNING 99% PCBS & 3AB
K. Handling Codes for Wastes Listed Above
a. T01

15. Special Handling Instructions and Additional Information
CONTRACT # OW0 4668 RELEASE #
* ITEM 15 SHOULD HAVE EMERGENCY CONTACT PHONE NO. DECAL # 62298 PLATE XU-40BXN

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

AS AGENT ON BEHALF OF HEXCEL

Printed/Typed Name Stephen J Abrusia — Signature [signature] — Month Day Year X1X395

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name THOMAS P KING — Signature [signature] — Month Day Year X1X395

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space ITEM C SHOULD HAVE DEP NO. 4 DECAL NO.
ITEM H SHOULD BE 609-540-2773 ITEM 2 SHOULD READ
PG. 1 OF 1. ITEM 15 SHOULD HAVE ERG#31. ITEM 11 SHOULD HAVE HAZARD CLASS 9.

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name EUGENIA HANN — Signature [signature] — Month Day Year 101 10495

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete
SIGNATURE AND INFORMATION MUST BE LEGIBLE

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and if the spill occurred in and the N.J. Dept. of Environmental Protection and Energy (609) 292-7172

NJA 2034111

882850029

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

4668 3 (1)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD986584134 | Manifest Document No.: 00001
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Hexcel Corporation, 205 Main Street, Lodi NJ 07644
4. Generator's Phone (201) 472-6800

A. State Manifest Document Number: **NJA 2034150**
B. State Generator's ID (Gen. Site Address): Same
C. State Trans. ID-NJDEPE: 510340 | Decal No.: 62298
D. Transporter's Phone: 908 756-4200
E. State Trans. ID-NJDEPE: | Decal No.:
F. Transporter's Phone ( )
G. State Facility's ID:
H. Facility's Phone (609) 299-5000

5. Transporter 1 Company Name: American Industrial Marine Svc | 6. US EPA ID Number: NJD981873664
7. Transporter 2 Company Name | 8. US EPA ID Number:

9. Designated Facility Name and Site Address: E I DuPont – Chambers Works, Route 130, Deepwater NJ 08023 | 10. US EPA ID Number: NJD002385730

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	RQ Hazardous Waste Liquid NOS (F001, F002 F003) 9, NA 3082 PG III	X	001	TT	03500	G	F001 F002 F003
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a. GT Water 79.9% ACSL3A8
b. Volatile Organics 21%
c.
d.

K. Handling Codes for Wastes Listed Above
a. T01
b.
c.
d.

15. Special Handling Instructions and Additional Information
Contract # OW04668 PWSA XU-408 x NJ Dept 62298
Release # 3 24 Hour Emergency Tel # (908) 756-4200

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

SIGNATURE ON BEHALF OF HEXCEL

Printed/Typed Name	Signature	Month	Day	Year
Steve Abrusiaga		01	25	95

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jim Dennitz		01	25	95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space: ITEM H SHOULD BE 604-SIC-2773. ITEM I SHOULD ONLY HAVE THE F CODE WITH HIGHEST VOL OR WT. ITEM 15 SHOULD INCLUDE ERG #31 JOE ANGELONE SAID F002 IS HIGHEST QPC

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
DANIEL G. CHOMO		01	27	95

NJA 2034150

882850030

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

4002/2 (7)

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2060-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD986584134 | Manifest Document No.: 00001
2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: HEXCEL CORPORATION, 205 MAIN ST. LODI, NJ 07644
4. Generator's Phone (201) 472-6800

A. State Manifest Document Number: **NJA 2074690**
B. State Generator's ID (Gen. Site Address): SAME
C. State Trans. ID-NJDEPE: 52265 | Decal No.: 64358
D. Transporter's Phone (908 462-1001

5. Transporter 1 Company Name: FREEHOLD CART. CORP. INC | 6. US EPA ID Number: NJD054126164
7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Trans. ID-NJDEPE | Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: E I DUPONT, ST HIGHWAY ROUTE 130, CHAMBERS WORKS PLANT, DEEPWATER, NJ 08023 | 10. US EPA ID Number: NJD002385730
G. State Facility's ID
H. Facility's Phone (609) 540 2773

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. (RQ) HAZARDOUS WASTE, LIQUID, N.O.S., 9, NA3082, PG III, (F001, F003)		001	TT	03850 ~~03950~~	G	F002
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. L.T. F001, F003 > 97% S. SOLIDS < 2%
b. Volatile ORGANICS < 1% c. PCB < 3PPB
d.

K. Handling Codes for Wastes Listed Above
a. T01 c.
b. d.

15. Special Handling Instructions and Additional Information
CONTRACT # 0W0A002 REL-002 ERG#31
24HR Phone 908 462 1001

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

As agent on behalf of Hexcel Corporation

Printed/Typed Name	Signature	Month Day Year
Kevin M. Greener		03 22 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
David Smith		03 22 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month Day Year
SUSAN E KOCH		03 22 95

NJA 2074690

882850031